

# Board Administration and Regulatory Coordination Unit

## Division 3. Air Resources Board

### Chapter 5. Standards for Motor Vehicle Fuels

#### Article 1. Standards for Gasoline

##### Subarticle 2. Standards for Gasoline Sold Beginning March 1, 1996

###### § 2262. The California Reformulated Gasoline Phase 2 and Phase 3 Standards.

The CaRFG Phase 2 and CaRFG Phase 3 standards are set forth in the following table. For all properties but Reid vapor pressure (cap limit only) and oxygen content, the value of the regulated property must be less than or equal to the specified limit. With respect to The Reid vapor pressure cap limit and the oxygen content flat and cap limit, the limits are expressed as a range, and the Reid vapor pressure and oxygen content must be less than or equal to the upper limit, and more than or equal to the lower limit. A qualifying small refiner may comply with the small refiner CaRFG Phase 3 standards, in place of the CaRFG Phase 3 standards in this section, in accordance with section 2272.

The California Reformulated Gasoline Phase 2 and Phase 3 Standards

<i>Property</i>	<i>Flat Limits</i>		<i>Averaging Limits</i>		<i>Cap Limits</i>	
	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>
Reid Vapor Pressure <sup>1</sup> (pounds per square inch)	7.00	7.00 or 6.90 <sup>2</sup>	Not Applicable	Not Applicable	7.00 <sup>3</sup>	6.40- 7.20
Sulfur Content (parts per million by weight)	40	20	30	15	80	60 <sup>4</sup> 30 <sup>4</sup>
Benzene Content (percent by volume)	1.00	0.80	0.80	0.70	1.20	1.10
Aromatics Content (percent by volume)	25.0	25.0	22.0	22.0	30.0 <sup>3</sup>	35.0
Olefins Content (percent by volume)	6.0	6.0	4.0	4.0	10.0	10.0
<i>Property</i>	<i>Flat Limits</i>		<i>Averaging Limits</i>		<i>Cap Limits</i>	
	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>	<i>CaRFG Phase 2</i>	<i>CaRFG Phase 3</i>
T50 (degrees Fahrenheit)	210	213	200	203	220	220
T90 (degrees Fahrenheit)	300	305	290	295	330	330
Oxygen Content (percent by weight)	1.8 - 2.2	1.8 - 2.2	Not Applicable	Not Applicable	1.8 <sup>6</sup> - 3.5 0 <sup>6</sup> - 3.5	1.8 <sup>6</sup> -3.5 <sup>7</sup> 0 <sup>6</sup> - 3.5 <sup>7</sup>
Methyl tertiary-butyl ether (MTBE) and oxygenates other than ethanol	Not Applicable	Prohibited as provided in §2262.6	Not Applicable	Not Applicable	Not Applicable	Prohibited as provided in §2262.6

The Reid vapor pressure standards apply only during the warmer weather months identified in section 2262.4.

The 6.90 psi standard applies only when a producer or importer is using the evaporative emissions model element of the CaRFG Phase 3 Predictive Model.

For sales, supplies, or offers of California gasoline downstream of the production or import facility starting on the date on which early compliance with the CaRFG Phase 3 standards is permitted by the executive officer under section 2261(b)(3), the CaRFG Phase 2 cap limits for Reid vapor pressure and aromatics content shall be 7.20 psi and 35.0 percent by volume respectively.

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#### **Subarticle 2. Standards for Gasoline Sold Beginning March 1, 1996**

The CaRFG Phase 3 sulfur content cap limits of 60 and 30 parts per million are phased in starting December 31, 2002, and December 31, 2004, respectively, in accordance with section 2261(b)(1)(A).

Designated alternative limit may not exceed 310.

The 1.8 percent by weight minimum oxygen content cap only applies during specified winter months in the areas identified in section 2262.5(a).

If the gasoline contains more than 3.5 percent by weight oxygen but no more than 10 volume percent ethanol, the maximum oxygen content cap is 3.7 percent by weight.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43013.1, 43018, 43101 and 43830, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal.3d 411, 121 Cal. Rptr. 249 (1975). Reference: Sections 39000, 39001, 39002, 39003, 39010, 39500, 39515, 39516, 41511, 43000, 43013, 43013.1, 43016, 43018, 43101, 43830 and 43830.8, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal.3d 411, 121 Cal. Rptr. 249 (1975).

#### **REFERENCE**